M 5.8, 24 km NE of Bandar-e Genveh, Iran

PAGER
Version 5

Origin Time: 2021-04-18 06:41:49 UTC (Sun 11:11:49 local)
Location: 29.7520° N 50.6789° E Depth: 8.0 km

Created: 4 weeks, 0 days after earthquake

Estimated Fatalities

6%   21%   35%   26%   10%

1   10   100   1,000   10,000   100,000
Fatalities
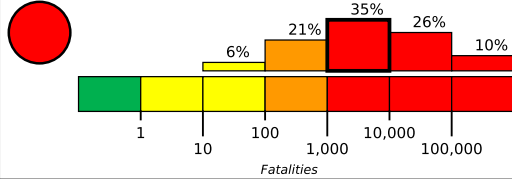
Red alert for shaking-related fatalities. High casualties are probable and the disaster is likely widespread. Past events with this alert level have required a national or international level response.

Orange alert for economic losses. Significant damage is likely. Estimated economic losses are less than 1% of GDP of Iran.

Estimated Economic Losses

26%   51%   19%

1   10   100   1,000   10,000   100,000
USD (Millions)
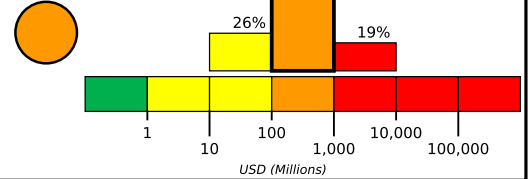
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	5,928k*	2,187k	77k	24k	32k	67k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

0   5   50   100   500   1000   5000   10000
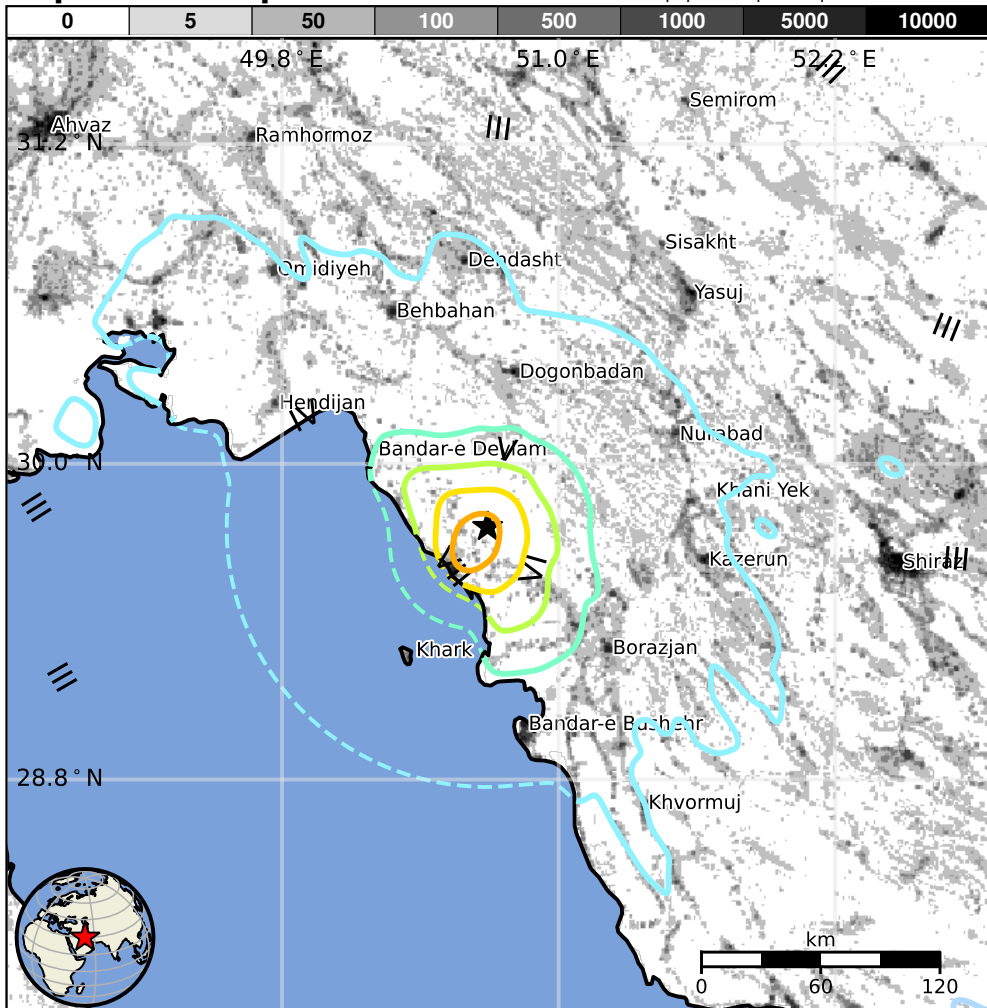
Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building type is low-rise nonductile concrete frame with infill construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2003-07-12	373	4.2	V(22k)	0
1977-04-06	244	6.0	VIII(31k)	366
1972-04-10	253	6.9	IX(4k)	5k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VIII	Bandar-e Ganaveh	53k
V	Bandar-e Deylam	<1k
IV	Khark	8k
IV	Dogonbadan	95k
IV	Bandar-e Bushehr	165k
IV	Borazjan	86k
IV	Kazerun	95k
III	Yasuj	97k
III	Shiraz	1,250k
III	Ahvaz	841k
III	Akbarabad	98k

bold cities appear on map.   (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/us6000e2k3#pager

Event ID: us6000e2k3